

What is claimed is:

CLAIMS

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- 5 1. A cable, comprising:
a plurality of transmission media;
a conductive core having a surface defining channels within which each of the
plurality of transmission media are individually disposed; and
an outer jacket maintaining the plurality of data transmission media in position
with respect to the core.
- 10 2. The cable of claim 1, wherein the channels of the conductive core are separated
by fins, the cable further comprising:
a conductive shield covering the channels and in contact with the fins.
3. The cable of claim 1, wherein the conductive core includes a central cavity.
- 15 4. The cable of claim 3, further comprising a fiber optic element disposed within
the central cavity.
5. The cable of claim 3, further comprising a drain wire disposed within the
central cavity.
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6. The cable of claim 1, wherein the conductive core is formed principally of a
solid fluoropolymer.
7. The cable of claim 1, wherein the conductive core is formed principally of a
25 foamed fluoropolymer.
8. The cable of claim 1, wherein the conductive core is formed principally of
polyvinyl chloride.
- 30 9. The cable of claim 8, wherein the polyvinyl chloride is foamed.
10. The cable of claim 8, wherein the polyvinyl chloride is solid.
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- 3 11. The cable of claim 1, wherein the conductive core is formed of any two or more of a solid fluoropolymer, a foamed fluoropolymer, solid polyvinyl chloride and foamed polyvinyl chloride.

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12. A cable, comprising:
a plurality of transmission media radially disposed about a finned element
whose fins electromagnetically shield each of the plurality of transmission media from each
other of the plurality of transmission media.

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13. The cable of claim 12, further comprising:
a conductive shield disposed about the cable.

14. The cable of claim 13, wherein the conductive shield is in contact with the fins of the finned element.

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15. The cable of claim 12, wherein the finned element is a fire resistant plastic.

16. The cable of claim 15, wherein the fire resistant plastic includes at least one of the group of a solid fluoropolymer, a foamed fluoropolymer, solid polyvinyl chloride, foamed polyvinyl chloride, a solid polyolefin and a foamed polyolefin.

add a4
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add BH